

























































Elmore Delay Constant

- Dominant time constant for step input
- Works for branch-less distributed RC networks
- No floating caps, grounded resistors







































































































n 1960, E.F.Rent sl	nowed that	
	$N_p = K(N_g)$	β
of logic gates in	a block, <i>K</i> accounts	s for # of pins per gate, a
β is Rent' s consta circuit block nee Rent' s Rule is ve	nt – is a measure o d to communicate v ry circuit-fabric (a	f many of the gates in a with the outside world. architecture) specific
β is Rent' s consta circuit block nee Rent' s Rule is ve Chip Type	nt – is a measure o d to communicate v ry circuit-fabric (a Rent's constant	f many of the gates in a with the outside world. architecture) specific
β is Rent' s consta circuit block nee Rent' s Rule is ve Chip Type Static Memory	nt – is a measure o d to communicate v ry circuit-fabric (a Rent's constant 0.12	f many of the gates in a with the outside world. architecture) specific
 is Rent's consta circuit block nee Rent's Rule is ve Chip Type Static Memory Microprocessor 	nt – is a measure o d to communicate v ry circuit-fabric (a Rent's constant 0.12 0.45	f many of the gates in a with the outside world. architecture) specific Proportionality Constant K 6 0.82





